IBM Express Portfolio is updated to include new IBM System x models

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Overview

Effective October 18, 2011, IBM® announces new Express® Seller models, with special pricing and terms and conditions.

The information for these models is based on standard models but is not an exact match.

Review the specifications included in this announcement and in the IBM announcements listed below for specific information regarding technical specifications, warranty, and terms and conditions applicable to these models.

```
New          Standard      IBM
part          part     announcement   Announcement
number       number        number         date

2583K1G      258332G      ZG11-0039    September 13, 2011
2583K2G      258372G      ZG11-0039    September 13, 2011
2583K3G      258372G      ZG11-0039    September 13, 2011
```

Key prerequisites

None

Planned availability date

October 28, 2011

Description

```
                              2583K1G


       Processor              Pentium™ G850 2C (65W)
        Internal speed        2.9 GHz
        External speed        1333 MHz
        Number standard       1
        Maximum               1
        Cache                 3 MB
       Memory                 2 GB
        DIMMs                 1 x 2GB
     (1Rx8, 1.5V, PC3-10600 CL9 ECC DDR3 1333MHz LP UDIMM)
        Sockets UDIMM         4
        Capacity UDIMM        32 GB [1]
```

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Video controller          Integrated in BMC
 Memory                   16 MB (shared)
HDD                       3.5" SS SATA
HDD controllers           SATA
 Channels                 1
 Connector int.           6
 Connector ext.           0
 RAID                     On-board
Disk standard             1x 250GB 7K2 3.5" SS SATA
Tape backup               0
Total bays                3
 5.25/3.5-in half-high ²  1
 3.5-in slim              2
 2.5-in slim              0
 Hot-swap                 0
 Internal capacity        4 TB ³
 Standard                 250GB
Bays available            1
 5.25/3.5-in half-high    0
 3.5-in slim              1
 2.5-in slim              0
 Hot-swap                 0
Total slots               2
 PCI 2.2 (32/33 MHz)      0
 PCI-E (x16/xx8/x4/x1)    2
Slots available           2
Management proc.          IMM2
Ethernet controller       Dual Gb
Optical drive (SATA)      Multiburner
Diskette drive            0
Power supply              300 W
 Number standard          1
 Hot-swap                 No
 Redundant power          No
 Auto restart             Yes


                          2583K2G


Processor                 Xeon E3-1240 4C (80W)
 Internal speed           3.3 GHz
 External speed           1333 MHz
 Number standard          1
 Maximum                  1
 Cache                    8 MB
Memory                    2 GB
 DIMMs                    1 x 2GB
     (1Rx8, 1.5V, PC3-10600 CL9 ECC DDR3 1333MHz LP UDIMM)
 Sockets UDIMM            4
 Capacity UDIMM           32 GB ¹
Video controller          Integrated in BMC
 Memory                   16 MB (shared)
HDD                       2.5" HS SAS
RAID Card                 BR10ilv2
HDD controllers           SAS
 Channels                 4
 Connector int.           1
 Connector ext.           0
Disk standard             2x 300GB 10K 2.5" HS SAS
Tape backup               0
Total bays                5
 5.25/3.5-in half-high ²  1
 3.5-in slim              0
 2.5-in slim              4
 Hot-swap                 4
 Internal capacity        2.4 TB ⁴
 Standard                 600GB
Bays available            2
 5.25/3.5-in half-high    0
 3.5-in slim              0
 2.5-in slim              2
 Hot-swap                 2
Total slots               2
 PCI 2.2 (32/33 MHz)      0
```

```
    PCI-E (x16/xx8/x4/x1)    2
Slots available             1
Management proc.            IMM2
Ethernet controller         Dual Gb
Optical drive (SATA)        Multiburner
Diskette drive              0
Power supply                300 W
 Number standard            1
 Hot-swap                   No
 Redundant power            No
 Auto restart               Yes


                            2583K3G

Processor                   Xeon E3-1240 4C (80W)
 Internal speed             3.3 GHz
 External speed             1333 MHz
 Number standard            1
 Maximum                    1
 Cache                      8 MB
Memory                      2 GB
 DIMMs                      1 x 2GB
    (1Rx8, 1.5V, PC3-10600 CL9 ECC DDR3 1333MHz LP UDIMM)
 Sockets UDIMM              4
 Capacity UDIMM             32 GB ¹
Video controller           Integrated in BMC
 Memory                     16 MB (shared)
HDD                         2.5" HS SAS
RAID Card                   BR10ilv2
HDD controllers            SAS
 Channels                   4
 Connector int.            1
 Connector ext.            0
Disk standard              2x 500GB 7K2 2.5" HS SAS
Tape backup                 0
Total bays                  5
 5.25/3.5-in half-high ²    1
 3.5-in slim                0
 2.5-in slim                4
 Hot-swap                   4
 Internal capacity         2.4 TB ⁴
 Standard                   1 TB
Bays available              2
 5.25/3.5-in half-high      0
 3.5-in slim                0
 2.5-in slim                2
 2.5-in slim                2
 Hot-swap                   2
Total slots                 2
 PCI 2.2 (32/33 MHz)        0
 PCI-E (x16/xx8/x4/x1)      2
Slots available             1
Management proc.            IMM2
Ethernet controller         Dual Gb
Optical drive (SATA)        Multiburner
Diskette drive              0
Power supply                300 W
 Number standard            1
 Hot-swap                   No
 Redundant power            No
 Auto restart               Yes
```

[1] Based upon 4x 8GB UDIMMMs.

[2] This bay does not support HDD options.

[3] Capacity is based on the installation of 2x 2TB 3.5" SATA HDDs.

[4] Capacity is based on the installation of 4x 600GB 2.5" HS SAS. For the most up-to-date information on supported HDD options, visit

http://www-03.ibm.com/servers/eserver/serverproven/compat/us/

Accessibility by people with disabilities

A US Section 508 Voluntary Product Accessibility Template (VPAT) containing details on the products' accessibility compliance can be requested via IBM's website

http://www-03.ibm.com/able/product_accessibility/index.html

Reference information

Refer to the following hardware announcements for product information:

```
New           Standard      IBM
part            part      announcement   Announcement
number        number       number          date

2583K1G       258332G      ZG11-0039    September 13, 2011
2583K2G       258372G      ZG11-0039    September 13, 2011
2583K3G       258372G      ZG11-0039    September 13, 2011
```

Product number

```
                          Machine          Part
     Description          type     Model   number

IBM System x

Express Model 3250 M4     2583      K1G    2583K1G
Express Model 3250 M4     2583      K2G    2583K2G
Express Model 3250 M4     2583      K3G    2583K3G

x3250 M4

2583K1G 1x Pentium G850 2.9GHz 2C 3MB / 1333 DDR3 (65W),
        2GB (1x 2GB (1Rx8, 1.5V No Chipkill) UDIMM), 1x 250GB
        7K2 3.5" SS SATA (2), C100, Multiburner, 1x300W 80+
        Bronze Fixed PSU

2583K2G 1x Xeon E3-1240 4C 3.3GHz 8MB/ 1333 DDR3 (80W),
        2GB (1x 2GB (1Rx8, 1.5V No Chipkill) UDIMM), 2x 300GB
        10K 2.5" HS SAS (4), BR10ilv2, Multiburner, 1x300W 80+
        Bronze Fixed PSU

2583K3G 1x Xeon E3-1240 4C 3.3GHz 8MB/ 1333 DDR3 (80W),
        2GB (1x 2GB (1Rx8, 1.5V No Chipkill) UDIMM), 2x 500GB
        7K2 2.5" HS SAS (4), BR10ilv2, Multiburner, 1x300W 80+
        Bronze Fixed PSU

Announced in:

K1G
Refer to the list in the Announcement countries section.

K2G
Refer to the list in the Announcement countries section.

K3G
Refer to the list in the Announcement countries section.
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Services

Global Technology Services

IBM services include business consulting, outsourcing, hosting services, applications, and other technology management.

These services help you learn about, plan, install, manage, or optimize your IT infrastructure to be an on-demand business. They can help you integrate your high-speed networks, storage systems, application servers, wireless protocols, and an array of platforms, middleware, and communications software for IBM and many non-IBM offerings. IBM is your one-stop shop for IT support needs.

For details on available services, contact your IBM representative or visit

   http://www.ibm.com/services/

For details on available IBM Business Continuity and Recovery Services, contact your IBM representative or visit

   http://www.ibm.com/services/continuity

For details on education offerings related to specific products, visit

   http://www.ibm.com/services/learning/index.html

Select your country, and then select the product as the category.

Technical information

Planning information

Customer responsibilities
These systems are designated as customer setup (CSU).

Supplies
For end users: None

Security, auditability, and control

For a complete description of each product, refer to the IBM announcements in the Reference information section.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communications facilities.

Global Technology Services

Contact your IBM representative for the list of selected services available in your country, either as standard or customized offerings, for the efficient installation, implementation, and/or integration of this product.

Terms and conditions

To obtain copies of the IBM Statement of Limited Warranty, contact your reseller or IBM.

Warranty period

Three years

Warranty service

An IBM part or feature installed during the initial installation of an IBM machine is subject to a full warranty effective on the date of installation of the machine. An IBM part or feature that replaces a previously installed part or feature assumes the remainder of the warranty period for the replaced part or feature. An IBM part or feature added to a machine without replacing a previously installed part or feature is subject to a full warranty effective on its date of installation. Unless specified otherwise, the warranty period, type of warranty service, and service level of a part or feature are the same as those for the machine it is installed in.

The following have been designated as consumables or supply items and are therefore, not covered by this warranty:

- Battery

If required, IBM provides repair or exchange service depending on the type of warranty service specified below for the machine. IBM will attempt to resolve your problem over the telephone or electronically by access to an IBM website. You must follow the problem determination and resolution procedures that IBM specifies. Scheduling of service will depend upon the time of your call and is subject to parts availability. Service levels are response-time objectives and are not guaranteed. The specified level of warranty service may not be available in all worldwide locations. Additional charges may apply outside IBM's normal service area. Contact your local IBM representative or your reseller for country- and location-specific information.

The type of service is Customer Replaceable Unit (for example, keyboard, mouse, speaker, memory, or hard disk drive) Service and On-site Service.

Customer Replaceable Unit (CRU) Service

IBM provides a replacement CRU to you for you to install. CRU information and replacement instructions are shipped with your machine and are available from IBM at any time on your request. A CRU is designated as being either a Tier 1 or a Tier 2 CRU. Installation of a Tier 1 CRU is your responsibility. If IBM installs a Tier 1 CRU, at your request, you will be charged for the installation. You may install a Tier 2 CRU yourself or request IBM to install it, at no additional charge, under the type of warranty service specified below, On-site Service.

Based upon availability, a CRU will be shipped for next business day (NBD) delivery. IBM specifies in the materials shipped with a replacement CRU whether a defective CRU must be returned to IBM. When return is required, return instructions and a container are shipped with the replacement CRU, and you may be charged for the replacement CRU if IBM does not receive the defective CRU within 15 days of your receipt of the replacement.

The following have been designated as a Tier 1 CRU:

- Blank filler
- Cable-management arm
- Hard disk drive
- Hot-swap fan
- Hot-swap power supply
- Lift handle kit
- Memory DIMM
- Memory expansion card
- Optical drive
- PCI adapter
- PCI divider
- Power cord

- Service label
- Service processor
- System label
- Top cover
- Voltage regulator module
- CMOS battery

On-site Service

This provides On-site Repair, 9 hours per day, Monday through Friday excluding holidays, NBD response. IBM or your reseller will repair the failing machine at your location and verify its operation. You must provide a suitable working area to allow disassembly and reassembly of the IBM machine. The area must be clean, well lit, and suitable for the purpose. On-site Service is not available in all countries, and some countries have kilometer or mileage limitations from an IBM service center. In those locations where On-site Service is not available, the normal in-county service delivery is used.

International Warranty Service

International Warranty Service (IWS) is available in selected countries or regions.

The warranty service type and the service level provided in the servicing country may be different from that provided in the country in which the machine was purchased.

Under IWS, warranty service will be provided with the prevailing warranty service type and service level available for the IWS-eligible machine type in the servicing country and the warranty period observed will be that of the country in which the machine was purchased.

To determine the eligibility of your machine and to view a list of countries where service is available, visit

http://www-947.ibm.com/support/entry/portal/docdisplay?lndocid=GCOR-3FBJK2

For more information, refer to Marketing Announcement ZS01-0168, dated September 25, 2001.

Licensing

Programs included with this product are licensed under the terms and conditions of the License Agreements that are shipped with the system.

IBM Electronic Services

IBM has transformed its delivery of hardware and software support services to help you achieve higher system availability. Electronic Services is a web-enabled solution that offers an exclusive, no-additional-charge enhancement to the service and support available for IBM servers. These services are designed to provide the opportunity for greater system availability with faster problem resolution and preemptive monitoring. Electronic Services comprises two separate, but complementary, elements: Electronic Services news page and Electronic Services Agent.

The Electronic Services news page is a single Internet entry point that replaces the multiple entry points traditionally used to access IBM Internet services and support. The news page enables you to gain easier access to IBM resources for assistance in resolving technical problems.

The Electronic Service Agent™ is no-additional-charge software that resides on your server. It monitors events and transmits system inventory information to IBM on a periodic, client-defined timetable. The Electronic Service Agent automatically reports hardware problems to IBM. Early knowledge about potential problems enables IBM to deliver proactive service that may result in higher system availability and performance. In addition, information collected through the Service Agent is made available to IBM service support representatives when they help answer your questions or diagnose problems. Installation and use of IBM Electronic Service Agent for problem reporting enables IBM to provide better support and service for your IBM server.

To learn how Electronic Services can work for you, visit

  http://www.ibm.com/support/electronic

ServicePacs

The announced products are also eligible for ServicePac® warranty upgrades. ServicePacs provide a higher level of service than that provided under the base IBM Machine Warranty.

ServicePacs can be purchased from your IBM Business Partner and are specific to the machines/products listed.

ServicePac offering	PC number	Ordering part number
3yr On-site Repair 9hr x 5 days 4hr Resp Tar	PC859 e-ServicePac	51J8874
3yr On-site Repair 24hr x 7 days 4hr Resp Target	PC860 e-ServicePac	51J8875 (2)
3yr On-site Repair 24hr x 7 days 6hr Committed Service	PC511 e-ServicePac	41W9365 (4)
3yr On-site Repair 24hr x 7 days 6hr Committed Service	PC865 e-ServicePac	51J9454 (UK only)
3yr On-site Repair 24hr x 7 days 8hr Committed Service	PC1470 e-ServicePac	91Y7384 (France only)
3yr On-site Repair 24hr x 7 days 6hr Committed Service	PC1469 e-ServicePac	91Y7383 (Italy only)
3yr On-site Repair 24hr x 7 days 6hr Committed Service	PC1468 e-ServicePac	91Y7382 (7)
3yr On-site Repair 24hr x 7 days 8hr Committed Service	PC533 e-ServicePac	41W9684 (5)
3yr On-site Repair 24hr x 7 days 8hr Committed Service	PC1467 e-ServicePac	91Y7381 (11)
3yr On-site Repair 24hr x 7 days 24hr Committed Service	PC1472 e-ServicePac	91Y7386 (12)
3yr On-site Repair 24hr x 7 days 24hr Committed Service	PC1473 e-ServicePac	91Y7387 (6)
4yr On-site Repair	PC861 e-ServicePac	51J8876 (2)

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9hr x 5 days 4hr Resp Target

4yr On-site Repair          PC862 e-ServicePac        51J8877 (2)
24hr x 7 days 4hr Resp Target

5yr On-site Repair          PC863 e-ServicePac        51J8878(2 )
9hr x 5 days 4hr Resp Target

5yr On-site Repair          PC864 e-ServicePac        51J8879 (2)
24hr x 7 days 4hr Resp Target

3yr On-site Repair          PC1011 e-ServicePac       65Y0978
9hr x 5 days NBD Comm Parts                           (Russia only)


Essentials and Virtualized Essentials

ServicePac                  PC                        Ordering part
offering                    number                    number

 3yr Essentials HW&SW Support  PC1236 e-ServicePac    91Y5185 (13)

 3yr Virtual Essentials     PC1237 e-ServicePac       91Y5186 (13)
 HW&SW Support

 3yr Essentials HW&SW Support  PC1363 e-ServicePac    91Y6139 (14)

 3yr Virtual Essentials     PC1364 e-ServicePac       91Y6140 (14)
 HW&SW Support

 3yr Essentials HW&SW Support  PC1421 e-ServicePac    91Y6418 (15)

 3yr Virtual Essentials     PC1422 e-ServicePac       91Y6419 (15)
 HW&SW Support

 3yr Essentials HW&SW Support  PC1447 e-ServicePac    91Y6444 (16)

 3yr Virtual Essentials     PC1448 e-ServicePac       91Y6445 (16)
 HW&SW Support
```

Announcement countries for ServicePacs

Announcement is restricted to the following countries:

e-ServicePac

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Austria       Belgium     Bulgaria      Croatia       Czech Rep
Denmark       Egypt       Estonia (8)   Finland       France (1)
Germany       Greece      Hungary       Ireland       Israel
Italy         Latvia (8)  Lithuania (8) Luxembourg    Morocco (9)
Netherlands   Norway      Pakistan      Poland        Portugal
Romania       Russia (2)  Serbia        Slovakia      Slovenia
South Africa  Spain       Sweden        Switzerland   Tunisia (10)
Turkey        Ukraine     United Kingdom (3)
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```
(1)  Except overseas territories
(2)  Except Russia
(3)  UK mainland only
(4)  Austria, Germany, Turkey, and South Africa only
(5)  Czech Republic, Hungary, Poland, Slovakia, Slovenia,
     Switzerland, Romania, Russia, Bulgaria, Croatia, Serbia,
     Morocco, and Tunisia only
(6)  Czech Republic, Hungary, Poland, Russia, Bulgaria, Slovakia,
     Slovenia, Turkey, Romania, Croatia, Serbia, Morocco, and
     Tunisia only
(7)  Belgium, Netherlands, and Luxembourg only
(8)  Order and registration via Finland
(9)  Restricted to 50 km of Casablanca/Rabat
(10) Restricted to 50 km of Tunis
(11) Denmark, Sweden, Finland, and Norway only
(12) Austria, Germany, Switzerland, South Africa, Belgium, Luxembourg,
     and Netherlands only
(13) Austria, Greece, Italy, Israel, Luxembourg, Portugal, South
     Africa, Spain, and Switzerland
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    (14) Hungary, Poland, Slovenia, and Turkey
    (15) Belgium, Denmark, Finland, France, Netherlands, Norway,
         Sweden, and United Kingdom
    (16) Germany only
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```
Maintenance
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The products in this document are also covered by Maintenance
Agreements and ServiceSuite® contracts.
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Terms and conditions for Express Seller Products

The designated products are available only as part of the IBM Express Seller
program. For full details of the terms and conditions, refer to the Express Seller
Program Terms and Conditions applicable to a specific Business Partner.

Note: Copies of the Express Seller Program Terms and Conditions are available
locally

In summary:

- Orders for Express Seller Products must be placed on an order specifically
  identified as 'Express Seller' and should not contain any other (non-Express
  Seller) product.
- Orders may only be placed for currently eligible Express Seller products.
- IBM will undertake to deliver products purchased under the terms of the
  Express Seller program within a specified number of days. For full details of the
  delivery terms for your country, refer to the Express Seller Program Terms and
  Conditions.
- Products purchased under this program are eligible for 15 days' price protection
  from the date of shipment. For full details, refer to the program Terms and
  Conditions.
- There is no accommodation for the return to IBM of any products ordered under
  the terms of this program.
- Products purchased under the terms of this offering are not available to be sold
  as part of a Special Bid.

Warranty service upgrades

IBM hourly service rate classification

Two

Field-installable features

Yes

Model conversions

No

Machine installation

Customer setup. Customers are responsible for installation according to the
instructions IBM provides with the machine.

Graduated program license charges apply

No

Licensed machine code

IBM machine code is licensed for use by a customer on the IBM machine for
which it was provided by IBM under the terms and conditions of the IBM License
Agreement for machine code, to enable the machine to function in accordance with

its specifications, and only for the capacity authorized by IBM and acquired by the customer. You can obtain the agreement by contacting your IBM representative or visiting

http://www.ibm.com/servers/support/machine_warranties/machine_code.html

If the machine does not function as warranted and your problem can be resolved through your application of downloadable machine code, you are responsible for downloading and installing these designated machine code changes as IBM specifies. If you would prefer, you may request IBM to install downloadable machine code changes; however, you may be charged for that service.

Pricing

For all local charges, contact your IBM representative.

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http://www.ibm.com/financing

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Announcement countries

```
K1G

All European, Middle Eastern, and African countries excluding the
following countries:


        Russia
        Armenia
        Belarus
        Georgia
        Kazakhstan
        Kyrgyzstan
        Ukraine
        Azerbaijan
        Tajikistan
        Turkmenistan
        Uzbekistan

K2G

ONLY the countries below:

        Austria
        Switzerland
        Germany
        Denmark
        Sweden
        Norway
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        Finland
        Iceland
        United Kingdom
        Ireland
        Belgium
        Luxembourg
        Netherlands
        France
        Italy
        Spain
        Portugal
        Greece
        Israel
        Cyprus
        Malta


K3G


ONLY the countries below:


        Afghanistan
        Albania
        Algeria
        Angola
        Bahrain
        Benin
        Bosnia & Herzegovina
        Botswana
        Bulgaria
        Burkina Faso
        Burundi
        Cameroon
        Cape Verde Islands
        Central African Republic
        Chad
        Congo Rep
        Congo, The Democratic Republic of
        Cote D'Ivoire (Ivory Coast)
        Croatia
        Czech Republic
        Djibouti
        Egypt
        Equatorial Guinea
        Eritrea
        Estonia
        Ethiopia
        Gabon
        Gambia
        Ghana
        Guinea
        Guinea-Bissau
        Hungary
        Iran, Islamic Republic of
        Iraq
        Jordan
        Kenya
        Kosovo
        Kuwait
        Latvia
        Lebanon
        Lesotho
        Liberia
        Libya
        Lithuania
        Macedonia, The former Yugoslav Republic of
        Madagascar
        Malawi
        Mali
        Mauritania
        Mauritius
        Moldova, Republic of
        Montenegro
        Morocco
        Mozambique
```

```
Namibia
Niger
Nigeria
Oman
Pakistan
Palestinian Territory
Poland
Qatar
Romania
Rwanda
Sao Thome Island
Saudi Arabia
Senegal
Serbia
Seychelles
Sierre Leone
Slovakia
Slovenia
Somalia
South Africa
Sudan
Swaziland
Syria (Syrian Arab Republic)
Tanzania
Togo
Tunisia
Turkey
Uganda
United Arab Emirates (Abu Dhabi, Dubai)
Western Sahara
Yemen
Zambia
Zimbabwe
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http://www.ibm.com/planetwide/